BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Estimate Cost Rs. **2000000.00**

Name of Work: Estimate for Supply of GI Pipes, PVC Cable, Panel Boards, MS Boxes, PVC Pipe and other Necessary accossaries to Existing Borewells in Ward no. 06 Surrounding area Byataravanapura Sub Division

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	Supply & delivery at site brand new texmo/innoval/lubi/sabar /Atalanta/calamal/ waterman/Radha make suitable HP deep well submercible pumpset suitable for vertical installation in 150 dia borewells compressing of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water squirrel cagesubmercible induction motor suitable for operation of 3Ph, 50Hz.380/440 volts AC supply fitted with required accessories such as suction, casing, suction strainers, sand guard. Non return valve etc Complete the pump and motor shall from an integral unit with all the required fittings (P.NO-XXXXIII, I.NO-33, PWD SR 16-17)	No							
	For Motor 15 HP 30 Stage XXXXIII, SL NO. 33	No	3				3	70685.00	**212055.00**
	For Motor 17.50 HP 30 Stage XXXXIII, SL NO. 34	No	3				3	74377.50	**223133.00**
	For unsize Motor 5HP 10 Stage XXXXI, SL NO. 6	No	2				2	33127.00	**66254.00**
2	Supplying & delivery at site brand new / Essen / Lotus sunsines/Adarsh/ Gk controls best indigenous make combine energy meter-cum-control panel board unit of size 1200 x 600 x 300 mm minimum mechanically strong and vermin and water proof the unit shall have two detachable doors suitable for operation on 3ph, 50Hz, 380/440 volts, AC supply with spring loaded latch locking with a key ribs should be provided inside the door , canopy apron and louvers ventilators shall be provided the combine energy mtr cum control panel board unit suitable for operation on 3ph, 50Hz, 380/440 AC supply shall be consisted etc,. completed T panel board shall be fabricated on single unit in the above components panel board for suitable pumpset above components panel board for suitable pumpset above 6.50 HP to 15.00 HP with star delta starter (MR)	No.							
			8				8	14800.00	**118400.00**
3	Providing, laying & jointing GI pipes confirming to IS specification of approved make with fittings such as collars bends elbows tees nipples plugs with cuts threads using white lead & threads for joints wherever necessary as per direction including all lead & lift etc,. complete 'A' grade(excluding cost of fittings)b50mm dia GI pipe (SR 16-17 PWD, P.No.XVII Sl.no. 509)	Rmtr							
			1	500.00			500.00	340.26	**170130.00**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic Rate	321.00							
	6% area weightage	19.26							
	Total	**340.26**							
4	Providing & fixing heavy duty collar (P.NO-III, I.NO-86, PRED 12-13 SR)	No	1	85.00			**85.00**	159.00	**13515.00**
	Basic Rate	150.00							
	6% area weightage	9.00							
	Total	**159.00**							
5	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 Volts. P. No. 49/ I No. 29-b(1) **4 Sqm mm of 56 strands 0.3mm dia Group - A KPWD Electrical SR 2010-11**	Mtr							
			1	2500.00			**2500.00**	185.00	**462500.00**
6	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods complete as per specifications (P.NO - 5, I.NO - 2.3, PWD SR 16-17)	Cum							
			1	1000.00	0.60	0.75	450.00		
							450.00	222.38	**100070.00**
	Basic Rate	189.00							
	Add 11% AD-HOC	20.79							
		209.79							
	6% area weightage	12.59							
	Total	222.38							
7	Providing and installing at site of work 63mm (0.662) PVC Pipes of 6 kg / cm2 including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour and lift charges, handling charges including encasing the pipe alround to a depth not less than 15cms with gravel or selected earth available from the excavation etc., complete (P.NO - 94, I.NO - 13.73.2, PWD SR 16-17)	Mtr							
			1	1000.00			1000.00		
							1000.00	409.46	**409457.00**
	Basic Rate	348.00							
	Add 11% AD-HOC	38.28							
		386.28							
	6% area weightage	23.18							
	Total	409.46							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
8	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specifications (P.NO - 6, I.NO - 2.11, PWD SR 16-17)	Cum							
			1	1000.00	0.60	0.75	450.00		
							450.00	89.42	**40240.00**
	Basic Rate	76.00							
	Add 11% AD-HOC	8.36							
		84.36							
	6% area weightage	5.06							
	Total	89.42							
9	Supplying and laying of L.T.U.G Cable having aluminiumconductor PVC insulated shethed galvanised steel wire/ steel tape armoured cable with PVC outer sheathing 1.1 KV class 4 core 16 sqmm cable (confirming to IS 1554) (P.NO - 553, I.NO - 10 (d), BWSSB SR 13-14)	Mtr							
	For Additional UG Cable		1	250.00			**250.00**	169.95	**42488.00**
	Basic Rate	165							
	3% area weightage	4.95							
	Total	169.95							
10	Providing and fixing of 50mm GI bend to motor (PWD SR 16-17, P.NO.XXXVIII GI FITTINGS TABLE)	No's							
			25				**25.00**	219.00	**5475.00**
	Basic Rate	219							
11	Providing and fixing of 50mm GI Nipple to motor (PWD SR 2015-16, P.NO.XXXVIII GI FITTINGS TABLE)	No's							
			25				**25.00**	104.30	**2608.00**
	Basic Rate	104.3							
12	Providing and fixing of 50mm GI union to the motor ((PWD SR 2015-16, P.NO.XXXVIII GI FITTINGS TABLE)	No's							
			25				**25.00**	223.70	**5593.00**
	Basic Rate	223.7							
13	Supplying and fixing miniature circuit breakers/isolators in existing MCB distribution boards using necessary fixing materials and wiring complete as required, 40 to 63 Amps DP (P.NO - 526, I.NO - 13D (a), BWSSB SR 13-14)	No's							
			50	1.00			**50.00**	906.40	**45320.00**
	Basic Rate	880							
	3% area weightage	26.40							
	Total	906.40							
14	Supplying and fixing of Porcelain fuse channel with cut out on existing wooden / panel using necessary nuts, bolts and washer etc., complete.... **P No. 32/I No 3b KPWD Electrical SR 2010-11**	No.							
	63 Amps		60	3.00			**180.00**		
							180.00	150.00	**27000.00**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
15	KSRB 13.6.3-6 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) **50mm** nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No. KBS 13.2.6/13.3 **P. 97 / I.13.37 PWD SR - 2016-17**	Each							
			23				**23**	2414.38	**55531.00**
	Basic Rate	2052.00							
	Add 11% AD-HOC	225.72							
		2277.72							
	6% area weightage	136.66							
	Total	2414.38							
16	Miscellaneous and Unforeseen Charges	L/S							231.00
								Total	**2000000.00**

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of PWD Elecrical 2010-11, PRED 2012-13 & SE-RDED approved Rate.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Executive Engineer
Byatarayanapura Division
17/02

Assistant Executive Engineer
Byatarayanapura Sub Division
ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

Administrative Approval
Accorded For 20.00 Lakhs
Head of A/C 31080
CER NO : 315 Dt. 08-02-18
TA SE (YNK)

TECHNICAL SANCTION
Accorded For Rs. Twenty lakhs only
Head of A/c. 1802
Div. Ref. No. 102/18-19 Date. 17/02/18
AE 17/02
EE(BTP) 17/02